

TFMS - Segment Forecast Report

Username	Email	Script Import Date	Script Version	Model Version
Zachariah.Rockwell	Zachariah.Rockwell@dot.ohio.gov	5/15/2025 10:30:27 AM	Initial	2025.1900

Forecast Summary

Project ID	Project Name	Opening Year	Design Year
121339	SCI-125-0.00	2026	2038

Project Description

Preventative Maintenance (Chip & Fog Seal) on State Route 125 in Scioto County from Adams County line to Mackletree Rd.

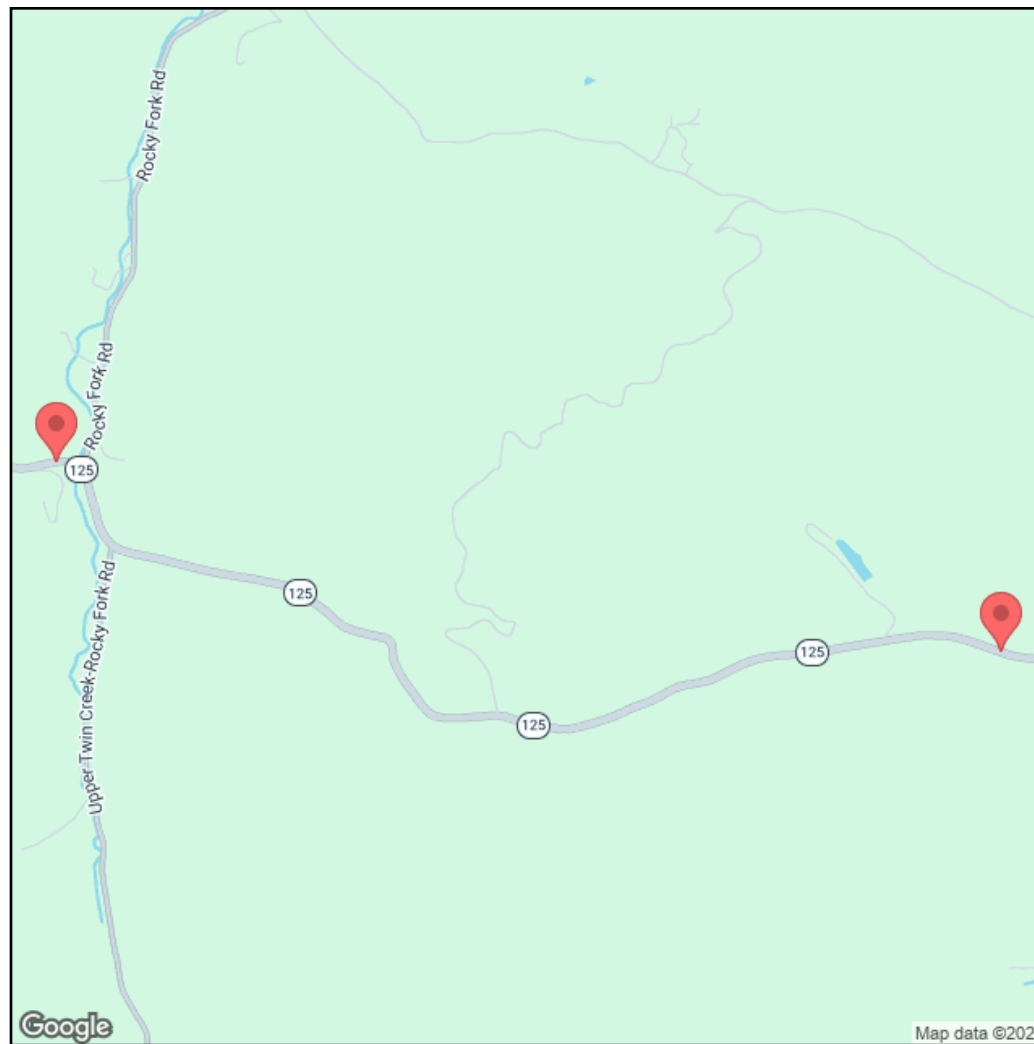
*Users of this data need to be aware that there are limitations to the forecasts generated by this product that make it suitable only for roadway design projects which are low risk.

Segment Information

Segment ID	LRS ID	BMP	EMP	Length	Latitude	Longitude
2255667	SSCISR00125**C	0.000	0.159	0.159	-83.2668194138102	38.756097164713
2255668	SSCISR00125**C	0.159	6.213	6.054	-83.2167713366529	38.7482446296926

Forecast Information

Segment ID	2026 AADT	2038 AADT	DHV-30	K%	D%	T24%	TD%
2255667	1,400	1,500	200	13.1	54.9	7	8
2255668	1,400	1,500	200	13.1	54.9	7	8



Definitions:

- o AADT – Annual Average Daily Traffic
- o DHV30 – Design Hour Volume for 30th highest hour of the year
- o $DHV30 = K * AADT$
- o K % – Design Hour Factor
- o D % – Peak Direction Factor
- o T24 % – Percent Daily Trucks
- o TD % – Percent Design Hour Trucks

Forecast Segment ID	Route	BMP	EMP
2255667	SSCISR00125**C	0.000	0.159

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 13.1	7	1,500	Model	0.700	0.700
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
1,620	◆ 54.9	9	120	Model	0.600	0.600

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
4	2,339	157	2,496

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
83	3492	-33	304	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.59	2.54	0	0	1,265	168	1,465	166
2	2.52	2.31	1	4	1,994	156	2,103	160
3	2.52	2.00	0	0	1,994	152	2,103	152
4	3.23	2.19	5	4	2,329	152	2,339	157
5	2.79	1.38	0	0	2,094	135	2,194	136
6	3.42	2.38	5	4	2,397	158	2,401	162

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	257	1,597	90	116	0.64	0.62
2	RAT	1.23	1,649	9.62	250	0.39	5.77
3	MRAT	1.20	1,641	2.50	169	0.61	2.65
4	RAF		1,619		142	0.62	1.62
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.700		0.600	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
1399	1503	116	250	1515	1753

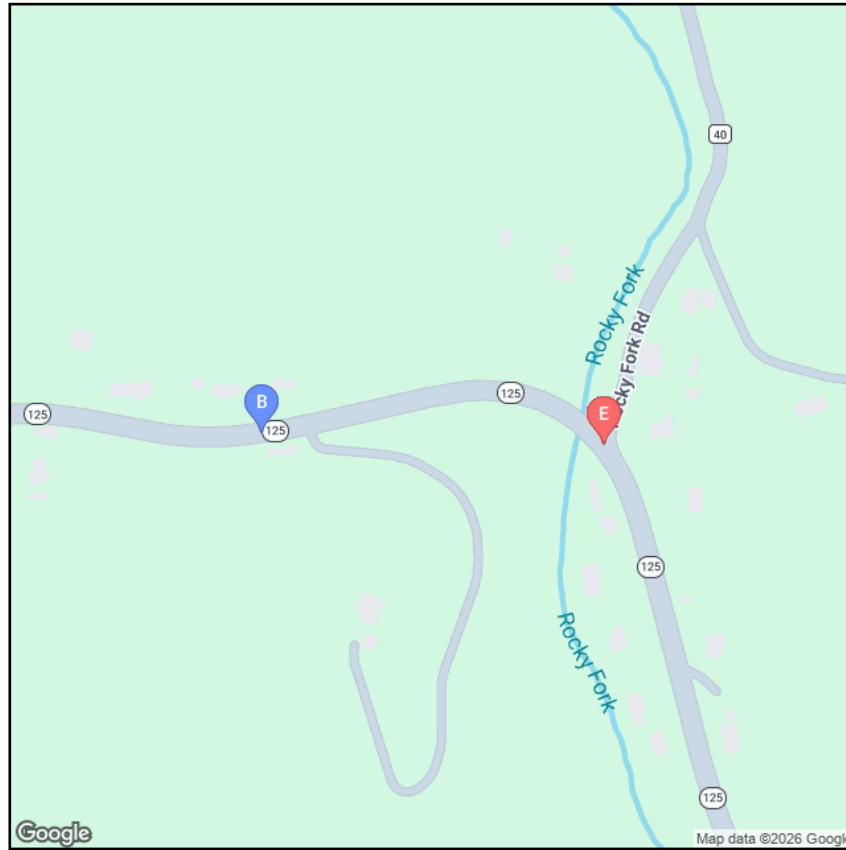
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2011	1,267	1,203	64
2014	947	871	75
2015	961	884	76
2018	1,104	993	111
2021	979	897	82
* 2024	1,371	1,271	100

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2038 AADT	DHV30	K %	D %	T24 %	TD %
2255667	SSCISR00125**C	0.000	0.159	0.159	1,400	1,500	200	13.1	54.9	7	8

Forecast Segment ID	Route	BMP	EMP
2255668	SSCISR00125**C	0.159	6.213

Forecast

Year	K%	T24 % (Existing)	PA AADT	PA Method	PA Growth Rate %	PA Calculated Rate %
2050	◆ 13.1	7	1,500	Model	0.600	0.600
AADT	D%	TD % (Existing)	BC AADT	BC Method	BC Growth Rate %	BC Calculated Rate %
1,620	◆ 54.9	9	120	Model	0.600	0.600

◆ K/D factors from TCDS were used.

Regression

Method Number	PA AADT	BC AADT	AADT
4	2,339	157	2,496

95% Confidence Min/Max

PA Min	PA Max	BC Min	BC Max	Year
83	3492	-33	304	2050

Method Number	PA Growth %	BC Growth %	PA Drop Count	BC Drop Count	PA AADT	BC AADT	PA Adjustment	BC Adjustment
1	0.59	2.54	0	0	1,265	168	1,465	166
2	2.52	2.31	1	4	1,994	156	2,103	160
3	2.52	2.00	0	0	1,994	152	2,103	152
4	3.23	2.19	5	4	2,329	152	2,339	157
5	2.79	1.38	0	0	2,094	135	2,194	136
6	3.42	2.38	5	4	2,397	158	2,401	162

Adjustment Info

ID	Adjustment Methods Name	Model vs Count AADT	Adjusted AADT	Model vs Count BC	Adjusted BC	PA Growth Rate %	BC Growth Rate %
1	DIF	217	1,569	89	115	0.55	0.58
2	RAT	1.19	1,607	8.88	231	0.32	5.04
3	MRAT	1.17	1,601	2.31	165	0.50	2.50
4	RAF		1,585		140	0.53	1.54
Adjust Method AADT		Adjust Method BC		Selected PA Growth Rate %		Selected BC Growth Rate %	
Average		Difference		0.600		0.600	

Method 1 - 4 Volume

PA Min Volume	PA Max Volume	BC Min Volume	BC Max Volume	Total Min Volume	Total MaxVolume
1376	1470	115	231	1491	1701

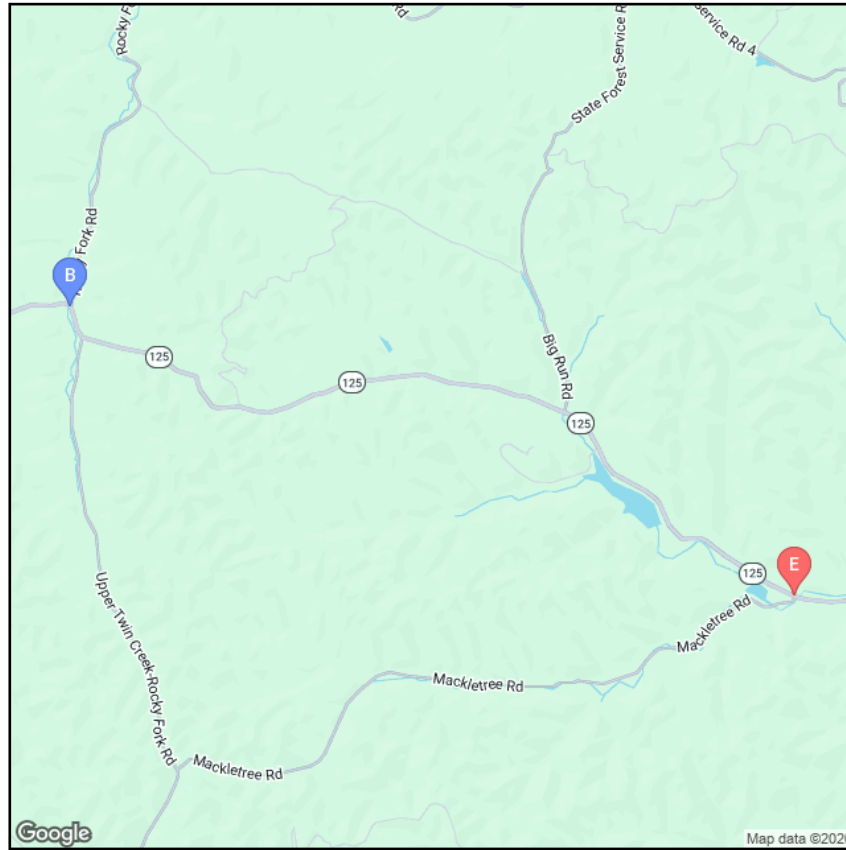
Process Flag: Adjusted model to counts with process per ODOT 255 spreadsheet

Comment: No Comment

Historical Count

Year	All	Cars	Trucks
2011	1,267	1,203	64
2014	947	871	75
2015	961	884	76
2018	1,104	993	111
2021	979	897	82
* 2024	1,371	1,271	100

* Pivot Point



Segment ID	LRS ID	BMP	EMP	Length	Yr 2026 AADT	Yr 2038 AADT	DHV30	K %	D %	T24 %	TD %
2255668	SSCISR00125**C	0.159	6.213	6.054	1,400	1,500	200	13.1	54.9	7	8